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1. (Currently amended) A nonvolatile semiconductor memory device comprising:
 - a substrate;
 - a plurality of sectors on the substrate;
 - a sector on a substrate, the each sector comprising including memory cell transistors arranged in a cell array block and decoder transistors in a column decoder block;
 - wherein the transistors in the cell array block and column decoder block in each sector share a common bulk region, wherein the common bulk region is formed on the substrate and is connected to a bulk driver provided in each of the sectors, each said, the bulk driver configured to commonly apply a bulk voltage to the common bulk region of the sector, and
 - wherein said semiconductor memory device is configured to electrically erase all the memory cell transistors in a the sector together.
2. (Original) A nonvolatile semiconductor memory device according to claim 1, wherein the semiconductor memory device is a NOR-type memory device.
3. (Original) A nonvolatile semiconductor memory device according to claim 1, further comprising a write driver and a sense amplifier.
4. (Original) A nonvolatile semiconductor memory device according to claim 3, wherein the write driver and sense amplifier are configured to be placed in a state of high impedance during an erase operation to avoid influencing circuit operation during the erase operation.
5. (Original) A sector structure of a nonvolatile semiconductor memory, said sector structure comprising:
 - a plurality of memory cell transistors arranged in a cell array block; and
 - a plurality of decoder transistors arranged in a column decoder block, wherein said memory cell transistors and decoder transistors are arranged on a common bulk region.
6. (Original) A sector structure of a nonvolatile semiconductor memory according to claim 5, wherein an erase operation is configured to erase all of the transistors in the sector simultaneously.

7. (Original) A sector structure of a nonvolatile semiconductor memory according to claim 5, said sector structure further comprising:
a plurality of word lines arranged in the cell array block, each word line being connected to a plurality of cell gates;
a plurality of bit lines arranged in the cell array block, each bit line being connected to a plurality of memory cell drains;
a plurality of common data lines connected to the bit lines;
a plurality of write drivers, each connected to a respective one of the common data lines; and
a plurality of sense amplifiers, each connected to a respective one of the common data lines.

8. (Original) A sector structure of a nonvolatile semiconductor memory according to claim 7, wherein each write driver and sense amplifier is configured to be placed in a state of high impedance during an erase operation.

9. (Original) A sector structure of a nonvolatile semiconductor memory according to claim 5, wherein said sector structure is configured to provide 64 Kbytes of memory.

10. (Currently amended) A sector of a nonvolatile semiconductor memory device with a plurality of sectors, each sector comprising:
a cell array block comprising including a plurality of word lines, a plurality of bit lines, and a plurality of memory cell transistors having gates and drains, each gate being connected to a corresponding word line out of the plurality of word lines, each drain being connected to a corresponding bit line out of the plurality of bit lines;
a source line driver commonly connected to a source of each of the plurality of memory cell transistors and configured to apply a source voltage;
a column decoder block comprising a plurality of column decoder transistors, each column decoder transistor connected to a corresponding bit line out of the plurality of bit lines and a common data line configured to select one bit line out of the plurality of bit lines;
and

a common bulk region arranged in ~~each~~ the sector and formed immediately adjacent to a substrate region, wherein the plurality of memory cell transistors and the plurality of column decoder transistors in ~~each~~ the sector share the common bulk region; and

a bulk driver provided ~~in each of the sectors~~, each ~~said~~ the bulk driver configured to commonly apply a bulk voltage to the common bulk region of ~~that~~ the sector.

11. (Currently amended) ~~A nonvolatile semiconductor memory device according to claim~~ The sector of claim 10, wherein the nonvolatile semiconductor memory device is a NOR-type flash EEPROM.

12. (Currently amended) ~~A nonvolatile semiconductor memory device according to~~ The sector of claim 10, wherein the bulk region is a pocket P-well.

13. (Currently amended) ~~A nonvolatile semiconductor memory device according to~~ The sector of claim 10, further comprising a plurality of write drivers and sense amplifiers, a write driver and a sense amplifier, wherein each the common data line is connected to a corresponding one of the write drivers and a corresponding one of the sense amplifiers, the write driver and the sense amplifier.

14. (Currently amended) ~~A nonvolatile semiconductor memory device according to~~ The sector of claim 13, wherein the write drivers driver and the sense amplifiers are each amplifier configured to be placed in a state of high impedance during an erase operation.

15. (Currently amended) A nonvolatile semiconductor memory device comprising:

a substrate;

a plurality of sector units, ~~each unit, the sector unit comprising~~ including a ~~bulk region, the bulk region being formed on the substrate and connected to a bulk~~ wherein each the sector unit is configured to be electrically erasable in response to signal; and a plurality of memory cell transistors and transistors of a column decoder arranged in the common bulk region of ~~each~~ the sector unit and configured to ~~comr~~ receive a bulk voltage.

16. (Currently amended) A nonvolatile semiconductor memory device according to claim 15, wherein each the sector unit further comprises a bulk driver configured to supply a bulk voltage to the common bulk region.

17. (Original) A nonvolatile semiconductor memory device according to claim 15, wherein said plurality of memory cell transistors are arranged in a cell array block, wherein said plurality of column decoder transistors are arranged in a column decoder block, and wherein said cell array block and said column decoder block are both arranged on the common bulk region.

18. (Currently amended) A method of forming a bulk region of a nonvolatile semiconductor device, said method comprising:

forming a bulk region for memory cell transistors provided in a cell array block of the nonvolatile semiconductor memory device, wherein the memory cell transistors of the cell array block is are arranged in an $(M \times N)$ array with M and N both at least equal to two; and

forming a bulk region for decoder transistors of a column decoder in the bulk region for the memory cell transistors of the cell array block, wherein the column decoder transistors of the column decoder is are arranged in a $(P \times N)$ within a $(N \times N)$ array with P at least equal to one adjacent to the cell array block.

19. (Original) A method of forming a bulk region of a nonvolatile semiconductor device, according to claim 18, further comprising configuring the bulk regions for the memory cell transistors and decoder transistors to receive a common bulk signal during an erase operation.

20. (Original) A method of forming a bulk region of a nonvolatile semiconductor device, according to claim 18, wherein said memory cell transistors and said decoder transistors are configured to be simultaneously erased with each other during an erase operation.

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26. (Currently amended) The device of claim 1, wherein the cell array block and the column decoder block ~~of each sector~~ share a plurality of word lines and a plurality of bit lines.

27. (Currently amended) The device of claim 17, wherein the plurality of memory cell transistors of the cell array block ~~is~~ are arranged in a (M x N) array and the plurality of column decoder transistors of the column decoder block ~~is~~ are arranged ~~in a (P x N) within a (N x N) array adjacent to the cell array block,~~ where M and N are at least equal to two and ~~P is at least equal to one.~~